



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

The Royal Society of London

PHILOSOPHICAL  
TRANSACTIONS

Volume 2  
1667

*Reprinted by permission of*  
*The Royal Society of London*

JOHNSON REPRINT

CORPORATION

NEW YORK

1963

KRAUS REPRINT

CORPORATION

*The only official reprint  
authorized by  
The Royal Society of London*

PHILOSOPHICAL  
Transactions :  
GIVING SOME  
ACCOMP'T  
OF THE  
Present Undertakings, Studies, and Labours  
OF THE  
INGENIOUS  
IN MANY  
CONSIDERABLE PARTS  
OF THE  
WORLD.

---

VOL. II.  
For Anno 1667.

---

In the SAVOY.

Printed by T. N. for John Martyn at the Bell, a little  
without Temple-Bar, Printer to the Royal Society.

# AN INDEX

FOR THE  
PHILOSOPHICAL TRANSACTIONS.  
OF

An. 1667, beginning with Number 23, and ending  
with Numb. 32.

---

The first Letter (*n*) signifies the Number, the second (*p*) the Page.

---

## A.

**A**ir, being exhausted, Vegetables do not prosper or grow, *n.* 23. *p.* 24. *Answers* to Philosophical Inquiries from a what effects Air exhausted, and re-admitted hath on Light, in the shining bodies of rotten Wood or Fish, *n.* 31. *p.* 581, &c. and what upon Burning Coals, *n.* 32. *p.* 605, &c.

Ale, how it may be transported from England to East- or West-Indies, *n.* 27. *p.* 495.

Amber, *n.* 23. *p.* 430, &c.

Ambergreese, *n.* 23. *p.* 431, &c. *n.* 28. *p.* 538. *n.* 30. *p.* 567.

Analysis; the subtil Art of Analysing Geometrically opened. See *intra* in Books: du Laurens.

Anatomical Observations, of the Ducts Thoracicus, *n.* 25. *p.* 461. See Books. Of a Sea-fox, and Lyon, *n.* 28. *p.* 535. Of a Shark-fish, and a Dog-fish, *n.* 32. *p.* 628. Of strange Entrals, and firm Arteries in Tortoises, *n.* 25. *p.* 500. Of the Brain and Tongue, *n.* 27. *p.* 490. Strange appearances in Bodies dead of odd Diseases, *n.* 29. *p.* 546. Stones in great number found in the Bladder of a Boy, *n.* 26. *p.* 482. Of the Epiploon, &c. to a double Membrane, which covers the Entrals, *n.* 29. *p.* 552. A dissected Dog preferred a

men, Sea-horses, Sea-cowes, &c. *n.* 26. *p.* 286. Animals drink very little, some not at all, in the hotter Countries, as in Jamaica, &c. *n.* 27. *p.* 494. From Bermudas, *n.* 30. *p.* 565: From Mendip-mines, *n.* 28. *p.* 525. An Antidotal Stone found in Serpents. See Books and there Kircher.

Antipathy or abhorrence in a Man and a Lady against H. ney: In another Lady against Wasps: In another, to ex-ream sickness and violent vomitings and purgings, during the time of Thunde, *n.* 29. *p.* 549.

Ants, their na'urie, feeding, breeding, &c. *n.* 23. *p.* 425. How they Analyse bodies, by eating them, *n.* 27. *p.* 507.

Apology, or defence for these Tracts, *n.* 23. Architecture in China of huge statelines; some parts described in effigie, and their other

Mechanical Arts, *n.* 26. *p.* 487.

Artificial Instruments, helps and directions, how to find the Meridian as exactly as can be done in Ships at Sea; To find the variation of the Needle; An Alæmema to find out the Azimuth of the Sun, contriv'd in

Boy; *n.* 26. *p.* 482. To a form of Instrument, for the use of the publick promised. Other proposals to the same purpose: How to use a Dipping Needle: To live by the wind of Bellows, *n.* 28. *p.* 539. See more of this head in Books, Dr. Needham, Dr. Willis, M. Steno, M. Swammerdam, Signr. Cornelii, &c.

Animals of strange kinds in China, Wild-

To find the greatest depths of Seas, To find the strength of the Wind: To weigh the Sea-water, and to find the proportion of Salt: To fetch up water (whether f. est: r

## An Index for the Philosophical Transactions.

fresher or saltier) from the bottom of the Sea. See the whole numb. 24. To measure the Diameters of Planets most exactly, n. 25. p. 457. described, and in effigie, n. 27. p. 541.

*Asbestus*, a Fossile in China to be drawn and spun, n. 26. p. 486.

*Aria* in an excellent Map. See Kircher in Books.

*Astronomical Remarks* of new Stars, n. 25. p. 459. Of Venus by Spots discoverable, as to motion, whether Libratory, or of Revolution, n. 32. p. 615.

### B.

**B**arks of Trees being cut off, are made by Art to reunite, n. 25. p. 452.

Bats in China of huge bigness, and good meat, n. 26. p. 486.

Beds in China how preserv'd from Vermin, n. 2. p. 485.

A Bell in China weighing 12000 pounds; whereas the Bell of Erfurd in Germany, supposed hitherto to be one of the biggest in the world, weighs but 25400 pounds, n. 26. p. 487.

Bermudas hath no Sand, Flints, Pebbles, or Stones that are hard enough to sharpen Knives, or grinde Glasses: Wells digg'd there above the Surface of the Sea, yield fresh Water; digged lower, they yield Salt-water, or brackish. See more, and of other matter, n. 30. p. 515.

*Eezors*, See *Chapuzean* in Books.

Birds in China of strange kinds; a Wool-bearing Hen. Birds like Black birds generated from the leaves of Trees falling into a River, n. 26. p. 485. &c.

Blood of Tortoises colder then water; yet their heart beats as in other Animals, n. 27. p. 500. The invention of Transfusing Blood vindicated from the French claim to the English, n. 27. p. 489. n. 28. p. 522. &c. The manner of that operation described, n. 28. p. 523. n. 25. p. 449. A mangy Dog cured by the blood of another Dog, n. 25. p. 451. Dogs living healthfully by the blood of Calves, and the operation perform'd without ligatures, n. 25. p. 453. An old Dog reviv'd by a young Dogs blood, n. 26. p. 479. An old Horse reviv'd by the blood of Sheep, n. 30. p. 557. Cautions concerning this Transfusion, n. 28. p. 517. partly satisfied or answer'd, *ibid.* p. 519. and n. 30. p. 560. &c. Transfusion try'd upon a Man by the R. Society, n. 30. p. 557. The effects of *Aqua Fortis* in Transfusion, n. 27. p. 490. and what medicated liquors agree or disagree most in Transfusion, n. 27. p. 493. But

the way of Indication by tryals upon *Blood Emissit*, first found out by Mr. Boyle, and how; n. 29. p. 551. Laxative Medicines how far effectual and beneficial in Transfusions, n. 30. p. 564. The blackness of blood, after 'tis in the Porringer cold, proceeds not from Melancholy, but by separation from the Air, according to Signeur Fracassati, n. 27. p. 493. A man relieved from inveterate and outragious madness by the blood of a Calf; See all the strange circumstances, n. 32. p. 617.

### Books abreviated.

*Alphabetum Naturæ*, by Van Helmont, n. 31. p. 594.

*Anatome* of a Sea-fox and Lyon, n. 28. p. 535.

Joh. Alph. Borelli de Vi Percussionis, n. 32. p. 626.

Mr. Rob. Boyle of subordinate Formes, second Edition, enlarged, n. 28. p. 532.

Mr. Chapuzean's History of the riches of the Orient and Occident: Of Diamonds, Rubies, Emeralds, Pearls, Coral, Bezoor, yellow Amber, Amber-gris, Indigo, &c. n. 23. p. 429.

Thom. Cornelii Progymnasmata Phisica, n. 30. p. 576.

Honor. Fabri synopsis optics, n. 32. p. 626.

Nouveaux Elementis de Geometrie, n. 32. p. 625.

Kircheri China Illustrata, n. 26. p. 484.

Klobii Historia of Amber-gris, n. 28. p. 538.

P. Lambecii Historiae Literariae Prodromus, n. 30. p. 575.

M. Delaunay. les Essays Physiques, n. 30. p. 579.

Franc. Dulaurens Specimina Mathematica, n. 30. p. 580.

Dr. Gault. Needham de Foetu formato, n. 27. p. 509.

M. Sprais History of the R. Society, n. 27. p. 503.

Nic. Stenonis Musculi descriptio Geometrica, n. 27. p. 516. Enlarged with the Anatomy of a Shark-fish-head, and of a Female Dog-fish, n. 32. p. 627.

Joh. Swammerdam de Respiratione & Usu Pulmonum, n. 28. p. 534.

Franc. Travagini synopsis Novæ Philosophiae & Medicinæ, n. 29. p. 555.

Th. Willisi Pathologie Cerebri & Nervosi generis specimen, n. 31. p. 600.

# An Index for the Philosophical Transactions.

**B**rain anatomised by Signeur Malpighi n. 27. p. 419. How the Brain and Nerves do cause Convulsions, Cramps, Epilepsy, Hysterical diseases, Scorbute, scorbutical Gouts, Consumptions, Drop-sirs, Feavers, and Epidemical diseases in England and Germany, and the proper Remedies. See Dr. Willis in Books.

A Bread-tree or Meal-tree in China, n. 26. p. 485, &c.

Bridges of strange hugeness and fabrick in China, described with Cuts. See Kircher in Books.

## C.

**C**Alatumba-wood in China, a kind of Lentiscum, or rich Terebinth, worthy to be transplanted into Europe, &c. n. 26. p. 485.

Canes in China so big that a Barrel may be made at every knot, n. 26. p. 486.

Cartesians highly applauded, but defective in not explicating the efficient power, with the Matter. See Cornelii in Books.

A Chancel in China very huge. See Kircher in Books.

Chymistry an excellent Key to open Nature. See Cornelii in Books. Chymistry Medical. See Travagini in Books.

Cider made excellent by the mixture of the Juice of Mulberries, n. 27. p. 503.

Cold drink may suddenly kill one that is accustomed to hot or warm drink, n. 29. p. 550. Shining Wood and Luminous Fishes rather Cold than warm as to us. See Mr. Boyles experiment by a curious Thermometer, n. 32. p. 611.

Coral where to be found. See Chapuzean in Books.

Cormorants or Pelicans being put two hours under ground, lose their Fish-like taste, n. 27. p. 501.

Sea-cowes in China come off the shore, and fight with Land-cowes, n. 26. p. 486.

## D.

**D**eaf and dumb how they may learn speech. See Alphab. Naturæ in Books.

Diamonds how to be found. See Chapuzean in Books.

A Dog made to draw his breath like a wild-broken Horse, n. 29. p. 544.

## E.

**E**arth-quakes raising Lakes, n. 26. p. 485.

Earths that are Cosmetick. See Kircher in Books.

Elephants eating Sugar-canæ which take roots in their stomachs. Quære in Kircher among Books.

Engines. See Artificial Instruments.

Emerauds. See Chapuzean in Books.

## F.

**F**erments, their Cause. See Travagini in Books.

Fig-trees bearing leaves big enough to wrap a Man in, n. 26. p. 486.

Fishes of strange kinds. Some that fly on land to seek their food in Summer, and in Autumn return to the waters. See Kircher in Books.

Flames or Flashes from the Sea; how great, and when, and where greatest, n. 27. p. 497.

The Flaming Well in Lancashire, described, n. 26. p. 482, and the like in China, n. 26. p. 485.

Forms call'd subordinate, submitted to Mechanical Principles. See Mr. Boyle and Monsieur Steno, in Books.

Fossils of strange kinds in China. See Kircher in Books.

## G.

**G**eneration explicated. See Cornelii and Travagini in Books.

Geometry explicated in New Methods. See Dulaurens and Nouveaux Elements in Books.

Gold and Silver in China not sought otherwhere than in Rivers and Fountains, n. 26. p. 487.

Granaries of what kind in several places, n. 25. p. 464.

Gravitation consider'd, n. 32. p. 527.

Gnancy how to be improv'd, or the Point-blank-force discover'd for all Shapes, n. 26. p. 47.

Gun-powder invented in China long ago, according to Kircher. See Books.

## H.

**H**ail-stones of unusual bigness, n. 26. p. 481.

The Hebrew Tongues excellence and prerogative. See Alphab. Naturæ in Books.

An Hermaphrodite curiously described in all changes of Nature, shape and sexions, from infancy to adult age, n. 32. p. 624.

Horses eyes apt to be defective by a spungy excrescence not hitherto observ'd, and the remedy hinted, n. 32. p. 613.

Her-

# An Index for the Philosophical Transactions.

Hortulan notes of Oranges and Lemons them. See Kircher in Books.

To grafted, that the same individual fruit are part Orange, part Lemon: And how to keep those Trees in Winter safe without fires, n. 29. p. 553. To make Cherry-trees that bear wither'd fruit to mend their fruit, n. 25. p. 453. To inquire whether Pears grafted upon *Spina cervina* (the almost onely Purgative Vegetable growing in England) will be effectually purgative, n. 23. p. 424.

Hottest in *Jamaica* at 8. in the morning, and yet the Thermometers much higher at 2. afternoon, n. 27. p. 507. Hot water incloed breaks the Cask, n. 27. p. 499.

Humane or Animal Bodys; are Engins, consisting of many lesser Engins subordina:e. So Steno, n. 32. p. 627.

## I.

**J**evels, their excellency or choice, and price. See *Chapuzau* in Books.

Indigo. See *Chapuzau*.

Ingenious Arts in China. See Kircher in Books.

Inquiries for Suratte, and other parts of the East-Indies; as also for Persia, the West-Indies, Virginia, Bermudas, Guiana, Brasil, n. 23 p. 415. For Greenland, n. 29. p. 554. For Hungary, Transilvania, Egypt, Guiny, n. 25. p. 467, &c. Inquiries and Trials to be made in Sea-voyages, n. 24.

Insects, and their gradual transmutations, and curious operations promis'd. See *Swammerdam* in Books.

Inventions, Arts and Sciences, their rise, progress, transmigrations, interruptions, declinations, and restaurations; the occasions, chief Authors, and Writings in all Ages undertaken to be calculated. See *Lambecius* in Books.

Iron rusts speedily by saline steams of the Seas, or of the Air; not so soon by lying under water, n. 27. p. 494

Isles, 99 in China turn'd into one, n. 26. p. 485.

The Julian Period; the number of the Cycles of the Sun and Moon, and the Indictions, for any year assigned, being given, to find the number of the Julian period for the same year, by a clear method and demonstra-tion, n. 30. p. 568.

## L.

**L**akes turning Copper into Iron, and caus-ing storms, when any thing is cast into

Light; See *Air*.

Longing or Pica; the cause inquired in a Woman longing for the wind of Bellows: In another, longing for crackling of Cinders under her feet. n. 29. p. 550.

A Loadstone in R. Soc. of 60 pounds weight, found in *Devonshire*, moving a Needle at about 9 foot distance, n. 23. p. 423.

Loadstones draw red hot Iron strongly: red-hot Load-stones draw cold Iron but faintly: the red-hot Load-stone being cooled, recovers his former strength, n. 27. p. 502.

## M.

**M**agnetical Inquiries, n. 23. p. 423, partly answer'd, n. 26. p. 478. Magnetic variations examined, n. 28. p. 527. Of Magnetismes. See *Borelli* in Books.

Mathematicks and Mechanicks the foundation to solid Philosophy. See *Cornelii* in Books. Necessary to explicate Anatomy, especially that of the Muscles. See *Steno* in Books. Mathematical Principles reformed; See *Dulaurens* and *Nouveaux Elements* in Books.

Mercury found at the roots of some Plants, growing upon a mountain, n. 27. p. 493.

Minerals in China. See Kircher in Books.

Mines of Mendip: See *Answers*.

Monstrous Births in Paris, and in Devonshire, n. 26. p. 479, &c.

Mountains in China very odd for shape, burning, and raising tempests, n. 26. p. 485.

Mountains causing Winds. See *Winds*.

Mu-k-dear in China. n. 26. p. 485.

Monckinell Apples in *Jamaica* falling into the Sea, and lying there a while, will contract a Lanugo of Salt peter, n. 27. p. 499.

## N.

**N**itur. See *Monckinell-Apples*.  
Nerves; Optick Nerves examin'd by *Malpighi*, n. 27. p. 491.

## O.

**O**ptic-nerves. See *Nerve*. Opticks, Cat-opticks, Dioptricks, Microscopes, and other Curiosities appendant, deliver'd by *Hon. Fabri*. See Books.

## P.

**P**earls: their choice and price. See *Chapuzau* in Books.

Pine-

# An Index for the Philosophical Transactions.

Pine-trees of eight fathoms about the body. See Kircher in Books.

Plants of strange kinds in China, See Kircher in Books. A pleasant fruit called the Sowre-sop, cracks so loud on the Trees, that they affright us, n. 27. p. 501. Some Trees in Jamaica seem to grow merely out of Rocks; Mask-millions merely out of Sand, yet very good, *ibid*. The Polony-tree produces a huge fruit, as big as a man can carry, immediately out of its trunk, and with-out a blossom, n. 26. p. 485. See Hortulan, and Vegetables. Tobacco, growing on ground full of Salt-peter, flasheth as it limoaketh, n. 27. p. 500.

Porcellan, made of sand soak'd in water, reduced to a paste, and baked. See Kircher in Books. A Turret in China made of Porcellan onely, *ibid*.

## R.

Rain, how caused or attracted by Woods and certain Trees, n. 27. p. 498. &c. How between the Tropicks, n. 27. p. 499. Rain in a vale of Jamaica turns suddenly into Maggots, as it falls upon garments, yet it place esteemed salubrious for habitation, n. 27. p. 502.

Respiration examined, n. 28. p. 534. See Swammerdam in Books. That Infants may be brought up to live without respiration by Mouth or Nose. See Cornelii in Books.

Rivers of note in China. See Kircher in Books. They are colour'd blue in Autumn; some cold at the top, and very hot beneath, *Ibid*.

Roses in China, that change the same day, n. 26. p. 485. A like Rose now to be seen in Rome, *ibid*.

Rubarb how order'd in China. See Kircher in Books.

Ruby, the choice and price. See Chrysopæan in Books.

## S.

Satin steams, marin, or airy, all rust Iron, rot Sweetmeats, Sugar of Roses; moisten Lozenges, corrupt Pyes and gammans of Bacon, Einnen and Silk, dispatchingly; n. 27. p. 495.

Sea-water, contrary to Glauber, not greenest where it is saltest, n. 27. p. 496. Great variety of colours of Waves, of Billows in several Seas, n. 27. p. 496.

Shells of Fishes found on the tops of moun-

tains, n. 27. p. 494. See Steno and Hook, n. 32. p. 623, &c.

Silk-worms spinning twice a year, and yielding a double crop, n. 26. p. 486.

A Specular stone representing the Moon in all her appearances. See Kircher in Books.

Spermæ Ceti inquired, n. 30. p. 567.

Sweating very much in Jamaica without thirst, costiveness, faintness, or diminution of Urine, n. 27. p. 501.

## T.

Tobacco, flashing as it smoaks, n. 27. p. 500. Thames-water how to be preserved sweet at Sea, n. 27. p. 496. How it becomes fiery in Sea-voyages, *Ibid*.

Thea refresheth vapours, and prevents the Stone, n. 26. p. 485.

Thunder causeth in a peculiar persõ violent vomitings and purgings, n. 29. p. 550.

Tides in Bermudas. See Answers from Bermudas.

Tongue and Tafle examined, n. 27. p. 492.

Tortoises, their breeding, eggs, wholesome-ness, &c. n. 27. p. 500, &c.

Treacle, in Jamaica dries to powder, and then turns to vermine, n. 27. p. 501.

Turcoise, n. 23. p. 429.

## V.

Vegetables seem to have a circulation of sap, tried in *Aloc Americana serratifolia*, and the weight at several times examined, n. 25. p. 453 &c. Seeds and blossoms to be tried in the Pneumatick Egg, n. 23. p. 424.

Venus discovered to have spots and more bright parts, n. 32. p. 615.

Vernice in China. See Kircher in Books.

## W.

Wal very vast in China. See Kircher in Books.

Weight of Sea-waters try'd, n. 27. p. 497.

Whale-fishing. See Answers from Bermudas.

Wicker trees growing into ropes, and readily apt for Cables. See Kircher in Books.

Winds, their Origine or Cause, collected from Mines, n. 26. p. 481. from Mountains, n. 27. p. 498, &c. See more, n. 26. p. 485. Contrary Winds cause a calm in the midst, n. 27. p. 498.

## Y.

Yellow Amber. See Amber.

F I N I S.